

Add. 3		Course program for the first, second and third degree of studies			
1.	Course title	Design Process			
2.	Code	282			
3.	Study group(s)	IND			
4.	The organizer of the study program (unit, institute, department)	Faculty of Mechanical Engineering - Skopje, Ss. Cyril and Methodius University in Skopje			
5.	Level (first, second, third)	First			
6.	Academic year / semester	summer	7.	Number of ECTS credits	6
8.	Instructor	Assoc. Prof. Sofija Sidorenko, PhD			
9.	Prerequisites	Industrial Design - signature			
10.	Course objectives (competences): Training of the students for design process and methods for solving of design tasks.				
11.	Course content: Definition of the design task, user population; design process planning, engineering specifications generation, concepts generation, concepts evaluation, creation and analyze of design solutions. Material selection methods. Design from the viewpoint of manufacturers. Design from the viewpoint of users. Product language: aesthetic, signal and symbolic functions.				
12.	Study methods: interactive lectures, auditory practice and/or laboratory practice, self running and/or team work projects, self learning.				
13.	Total hours	6 ECTS x 30 hours = 180 hours			
14.	Hours allocation per activity:	30 + 30 + 60 + 0 + 60 = 180 hours			
15.	Lectures/Lab	15.1.	Teaching lectures	30 hours	
		15.2.	Practice, seminars, team work	30 hours	
16.	Project Work/Assignments	16.1.	Project assignments	60 hours	
		16.2.	Selfrunning assignments	0 hours	
		16.3.	Home studying	60 hours	
17.	Points/Marks:				
	17.1.	Tests			60
	17.2.	Projects			30
	17.3.	Attendance			10
18.	Grading scale	Under 50		5 (five) (F)	
		51 - 60 points		6 (six) (E)	
		61 - 70 points		7 (seven) (D)	
		71 - 80 points		8 (eight) (C)	
		81 - 90 points		9 (nine) (B)	
		91 - 100 points		10 (ten) (A)	
19.	Prerequisites for taking the final exam	Finished activities 15.1; 15.2; 16.1			
20.	Language of Instruction	Macedonian language			
21.	Course evaluation				

22.	Textbooks					
	22.1.	Instruction materials				
		No.	Author	Title	Publisher	Year
		1.	Tatjana Kandikjan	Design Process	internal book	2011
		2.				
3.						
22.2.	Supplemental Instruction Materials					

No.	Author	Title	Publisher	Year
1.	Gerhard Heufler	Design Basics	Verlag Niggli, AG	2004
2.	Michael Ashby, Kara Johnson	Materials and Design	Butterworth Heinemann	2002